

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>10102-W010</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/DK2004/000669</b>	International filing date (day/month/year) <b>04/10/2004</b>	(Earliest) Priority Date (day/month/year) <b>03/10/2003</b>
Applicant <b>LIFECYCLE PHARMA A/S</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the International search was carried out on the basis of the International application in the language in which it was filed, unless otherwise indicated under this item.

☐ The International search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/DK2004/000669

**Box No. IV** Text of the abstract (Continuation of item 5 of the first sheet)

A method for the preparation of a pharmaceutical particulate composition for modified release of one or more therapeutically, prophylactically and/or diagnostically active substances, the method involving spraying of a composition comprising an oily material on a solid composition in order to subject the solid composition to a controlled agglomeration process, whereby individual particles are aggregated into agglomerates in a controlled manner and a relatively small particle size and particle size distribution is obtained, the particulate composition comprising a sufficient amount of at least one release-rate modifying substance to provide a modified release of the active substance sufficient to provide duration of therapeutic, prophylactic and/or diagnostic effect of at least about 2 hours when the composition is exposed to an aqueous environment.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK2004/000669

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC 7	A61K9/48	A61K9/20 A61K9/28 A61K9/16
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/004001 A (HOLM JANNIE EGESKOV ; MOELLGAARD BIRGITTE (DK); BUUR ANDERS (DK); HOLM) 16 January 2003 (2003-01-16) cited in the application page 1, line 29 - page 27, line 34 examples 2-5 claims 1-47	1-36, 38, 43-68
P, X	WO 2004/073689 A (LIFECYCLE PHARMA AS ; ELIASSEN HELLE (DK); NORLING TOMAS (DK); HOLM PER) 2 September 2004 (2004-09-02) page 3, line 32 - page 36, line 16 claims 1-32	1-68
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search  24 January 2005		Date of mailing of the international search report  02/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Schiffner, H

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International Application No  
PCT/DK2004/000669

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	<p>WO 2004/056487 A (LIFECYCLE PHARMA AS ;  NIELSEN ELO (DK); HOLM PER (DK))  8 July 2004 (2004-07-08)  page 16, line 1 - page 27, line 6  page 28, line 8 - page 35, line 32  example 2</p> <p>-----</p>	1-68

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK2004/000669

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03004001	A	16-01-2003	BR 0210867 A	29-06-2004
			CA 2452330 A1	16-01-2003
			WO 03004001 A1	16-01-2003
			EP 1406594 A1	14-04-2004
			US 2005008706 A1	13-01-2005
WO 2004073689	A	02-09-2004	WO 2004073687 A1	02-09-2004
			WO 2004073689 A1	02-09-2004
WO 2004056487	A	08-07-2004	WO 2004056487 A1	08-07-2004
			EP 1497034 A1	19-01-2005